

Title (en)
BACTERIOCINS

Title (de)
BACTERIOCINE

Title (fr)
BACTERIOCINES

Publication
EP 0821736 B1 20110112 (EN)

Application
EP 96911097 A 19960412

Priority
• IE 9600022 W 19960412
• IE S950269 A 19950412

Abstract (en)
[origin: WO9632482A1] The present invention relates to a novel anti-microbial agent, more particularly, a novel bacteriocin with nisin-like properties. The bacteriocin is designated lacticin 3147 and has the following properties: a molecular weight of approximately 2.8 kDa; inhibiting activity against lactococci, lactobacilli, enterococci, bacilli, leuconostocs, pediococci, clostridia, staphylococci and streptococci; sensitivity to the proteases trypsin, alpha-chymotrypsin, proteinase K and pronase E but not pepsin; heat-stability; activity at acid pH; and the capability of inhibiting nisin-producing bacterial strains.

IPC 8 full level
A23C 3/00 (2006.01); **C12N 15/31** (2006.01); **A23B 4/00** (2006.01); **A23B 4/08** (2006.01); **A23B 4/20** (2006.01); **A23B 7/10** (2006.01); **A23C 19/032** (2006.01); **A23C 19/11** (2006.01); **A23L 3/00** (2006.01); **A23L 3/3463** (2006.01); **A23L 3/3571** (2006.01); **A61K 8/64** (2006.01); **A61K 31/00** (2006.01); **A61K 35/74** (2006.01); **A61K 38/00** (2006.01); **A61K 39/09** (2006.01); **A61K 39/116** (2006.01); **A61P 31/00** (2006.01); **A61P 31/04** (2006.01); **A61Q 11/00** (2006.01); **A61Q 19/00** (2006.01); **C07K 14/195** (2006.01); **C07K 14/315** (2006.01); **C12H 1/00** (2006.01); **C12N 1/21** (2006.01); **C12N 15/00** (2006.01); **C12N 15/09** (2006.01); **C12P 21/00** (2006.01); **C12P 21/02** (2006.01); **C12R 1/01** (2006.01)

CPC (source: EP US)
A23C 19/0323 (2013.01 - EP US); **A23C 19/11** (2013.01 - EP US); **A23L 3/34635** (2013.01 - EP US); **A61K 8/64** (2013.01 - EP US); **A61P 31/00** (2017.12 - EP); **A61P 31/04** (2017.12 - EP); **A61Q 11/00** (2013.01 - EP US); **A61Q 19/00** (2013.01 - EP US); **C07K 14/315** (2013.01 - EP US); **A61K 38/00** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Designated extension state (EPC)
AL LT LV SI

DOCDB simple family (publication)
WO 9632482 A1 19961017; AT E495258 T1 20110115; AU 5408196 A 19961030; AU 712143 B2 19991028; DE 69638319 D1 20110224; EP 0821736 A1 19980204; EP 0821736 B1 20110112; IE S70514 B2 19961211; IE S950269 A2 19961016; JP 4360693 B2 20091111; JP H11511648 A 19991012; NZ 305941 A 19990128; US 6207411 B1 20010327

DOCDB simple family (application)
IE 9600022 W 19960412; AT 96911097 T 19960412; AU 5408196 A 19960412; DE 69638319 T 19960412; EP 96911097 A 19960412; IE S950269 A 19950412; JP 53085196 A 19960412; NZ 30594196 A 19960412; US 94508198 A 19980413